

Title of Technology to be offered	Biomimetic nanobioceramics for bone graft
Type of Technology	Process development
Area of Technology	Nanobiomaterials
Details of Collaborating Agency	M/S Eucare Pharmaceuticals, Pvt. Ltd. Chennai.
Uses	As a bone grafting material used for orthodontics
Salient Features	Single-step biomimetic synthesis at ambient conditions capable of producing hydroxyapatite particles in the narrow size range of 80 nm – 100nm and uniform morphology
Scale of Development	Laboratory scale
Major Raw Materials	Hydrophilic synthetic / biopolymers, Ca and phosphate salts.
Major Plant Equipment/Machinery	Chemical Glass reactor with stirring facility and spray dryer
Details of specification application	Materials specification as per ASTM standards
Status of Development	Process flow sheet developed
Ecological/Environmental Impact (if any, specify briefly)	Ecofriendly process
Patenting details	Patented, IPR lies with NML
Commercialisation Status	Commercialized
Techno-Economics	Can be made available on demand
Key words	Nanobioceramics, Hydroxyapatite